

AMENDMENTS TO THE CLAIMS:

Please AMEND the claims as indicated in the listing below.

Claims 1-4 (cancelled).

Claim 5 (currently amended): An optical transceiver, comprising:
a housing mountable on a board with a portion of the housing
above a plane of the board and a second portion of the housing below the
plane of the board[.];

wherein the housing includes part of a notch and rail system[.];

~~The optical transceiver of Claim 2,~~ wherein the notch of the notch
and rail system is adjustable in height.

Claim 6 (previously presented): The optical transceiver of Claim 5,
wherein the notch is adjusted by a rack and pinion system comprising a rack
located on a lateral wall of the notch and a pinion which impinges upon the
rack whereby turning the pinion adjusts the height of the notch.

Claims 7-9 (cancelled).

Claim 10 (currently amended): An optical transceiver, comprising:
a housing mountable on a board with a portion of the housing
above a plane of the board and a second portion of the housing below the
plane of the board[.];

~~The optical transceiver of Claim 1,~~ wherein the housing has a
wedge shape.

Claim 11 (currently amended): An optical transceiver, comprising:
a housing mountable on a board with a portion of the housing
above a plane of the board and a second portion of the housing below the
plane of the board[.];

~~The optical transceiver of Claim 11~~, wherein the housing has at least one screw hole located to receive a screw passing through a face plate of an enclosure in which said board is mounted.

Claim 12 (currently amended): An optical transceiver, comprising:
a housing mountable on a board with a portion of the housing
above a plane of the board and a second portion of the housing below the
plane of the board[[.]];

~~The optical transceiver of Claim 1~~, wherein the housing includes at least one attaching mechanism located posteriorly to hold the housing in place in a cut out of the board.

Claim 13 (previously presented): The optical transceiver of Claim 12, wherein the attaching mechanism includes at least part of a notch and rail system.

Claim 14 (previously presented): The optical transceiver of Claim 12, wherein the attaching mechanism includes a latch arm that secures to the board through a hole in the board.

Claim 15 (previously presented): The optical transceiver of Claim 12, wherein the attaching mechanism includes a screw that screws into a threaded piece attached to the board.

Claim 16: (currently amended): An optical transceiver, comprising:
a housing mountable on a circuit board with a portion of the
housing above a plane of the circuit board and a second portion of the housing
below the plane of the circuit board[[.]];

~~The optical transceiver of Claim 1~~, wherein the housing includes a heat sink.

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Claim 17 (previously presented): The optical transceiver of claim 16, wherein the heat sink includes heat fins.

Claims 18-21 (cancelled).

Claim 22 (new): The optical transceiver of Claim 5, wherein the housing includes a notch.

Claim 23 (new): The optical transceiver of Claim 5, wherein the housing includes a rail.

Claim 24 (new): The optical transceiver of Claim 5, wherein the notch and rail system is located on at least one side of the optical transceiver housing.

Claim 25 (new): The optical transceiver of Claim 5, wherein the housing includes a securing mechanism at an interfacing surface of the housing with the board to hold the housing in place against the board.

Claim 26 (new): The optical transceiver of Claim 25, wherein the securing mechanism is a spring clip.

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AMENDMENTS TO THE SPECIFICATION:

At page 1, please replace the first full paragraph with the following amended paragraph:

The present invention relates to an optical transceiver housing that mounts and secures to a circuit board and, in particular, an optical transceiver housing that efficiently utilizes the available space.

At page 5, please replace the last paragraph with the following amended paragraph:

Figures 1C and 1D show an optical transceiver housing 100 according to some embodiments of the present invention. In these embodiments, optical transceiver housing 100 includes part of a notch and rail system 110 comprising one or more notches 104 and [[a]] one or more rails 106. Notches 104 reside on the lateral sides of the optical transceiver housing. Rails 106 are provided by lateral edges 108 of a cutout portion of board 115. In the illustrated embodiment, notches 104 allow optical transceiver housing 100 to slide onto board 115 using edges 108 of the board as rails 106. As shown in Figure 1D, optical transceiver housing 100 slidably mounts onto board 115 and has an upper portion 120 above a plane 119 of board 115 and a lower portion 130 below plane 119 of board 115. Plane 119 is a plane located anywhere within board 115.

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